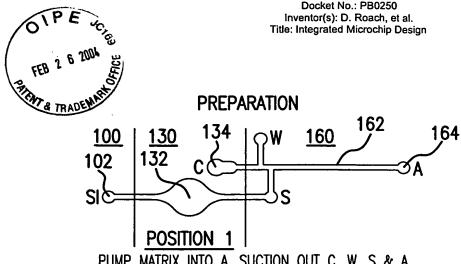
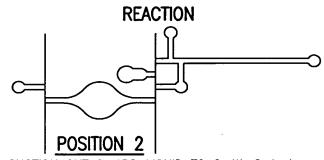
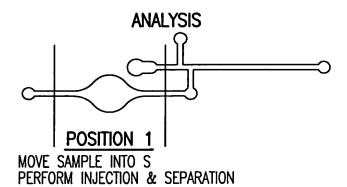
Docket No.: PB0250 Inventor(s): D. Roach, et al.



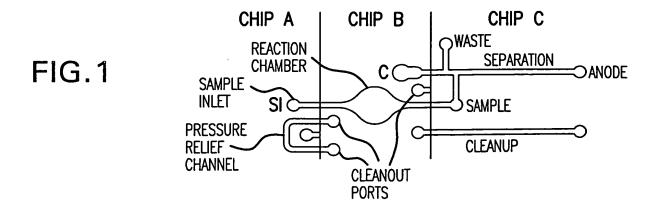
PUMP MATRIX INTO A, SUCTION OUT C, W, S & A ADD SAMPLE TO SI PORT



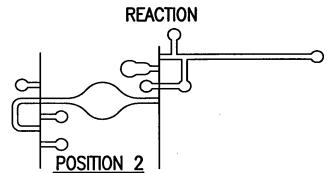
SUCTION OUT S, ADD LIQUID TO C, W, S & A PERFORM REACTION



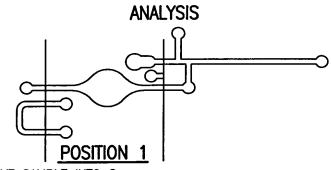
LEGEND



PUMP MATRIX INTO A, SUCTION OUT C, W, S & A ADD SAMPLE TO SI PORT

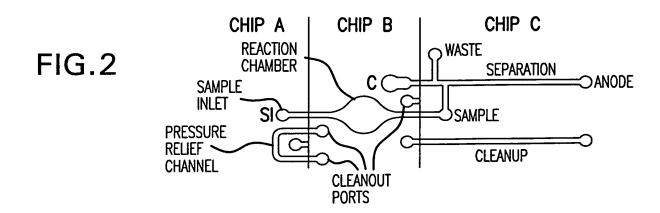


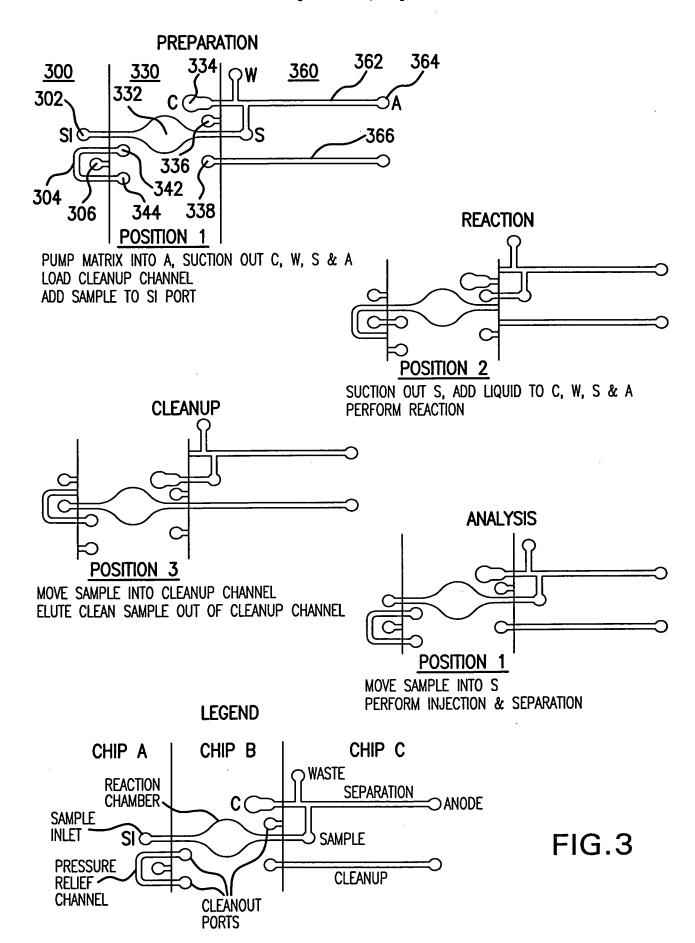
SUCTION OUT S, ADD LIQUID TO C, W, S & A PERFORM REACTION

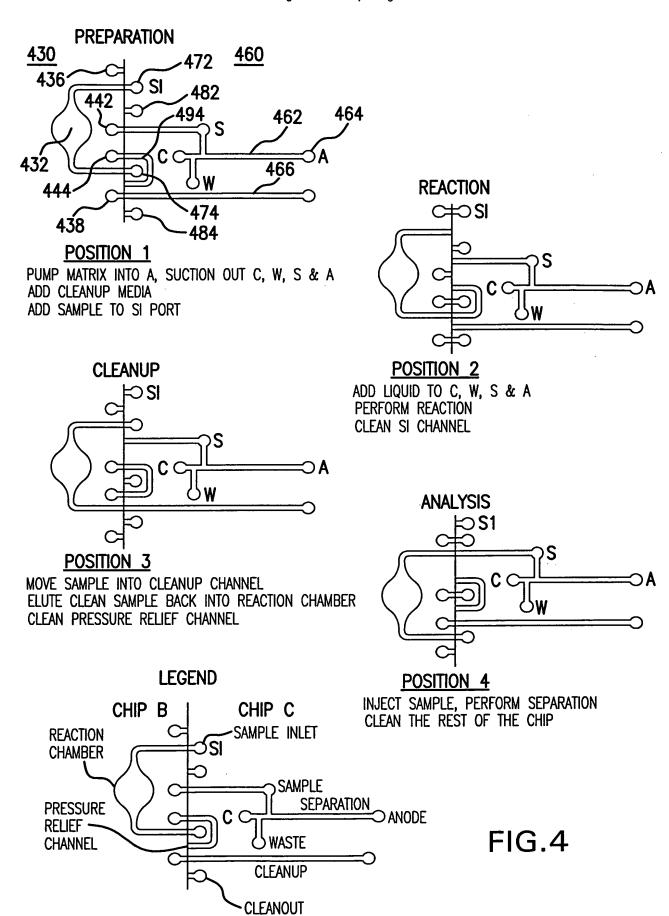


MOVE SAMPLE INTO S
PERFORM INJECTION & SEPARATION

LEGEND







PORTS

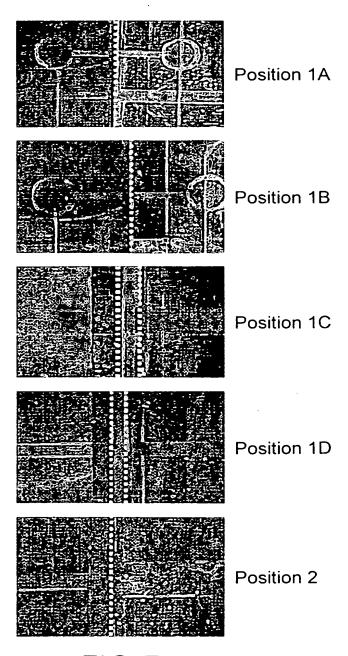
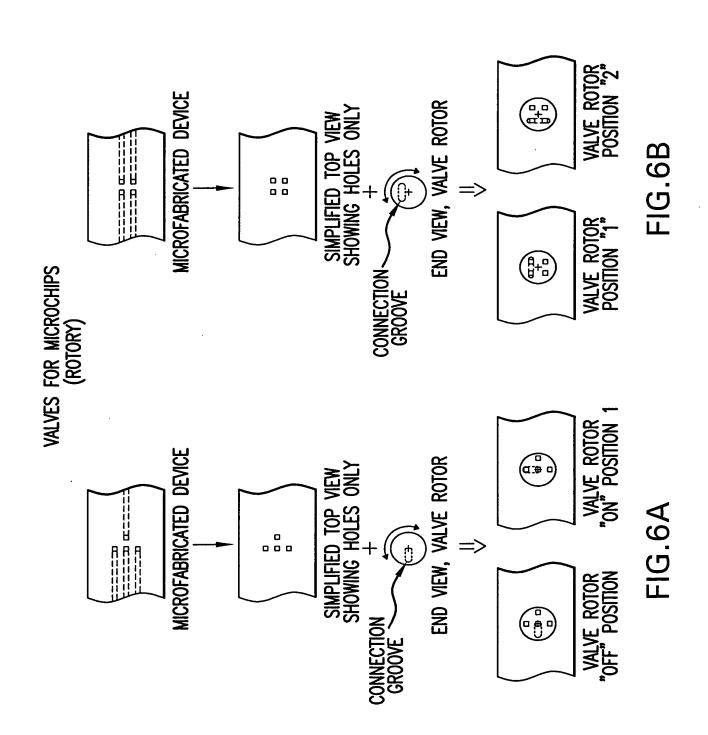
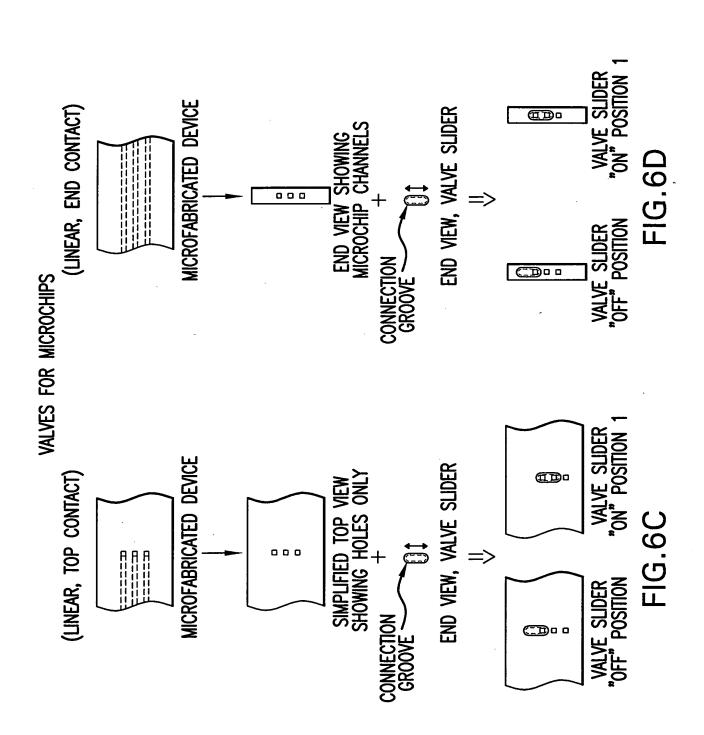


FIG.5





Docket No.: PB0250 Inventor(s): D. Roach, et al. Title: Integrated Microchip Design

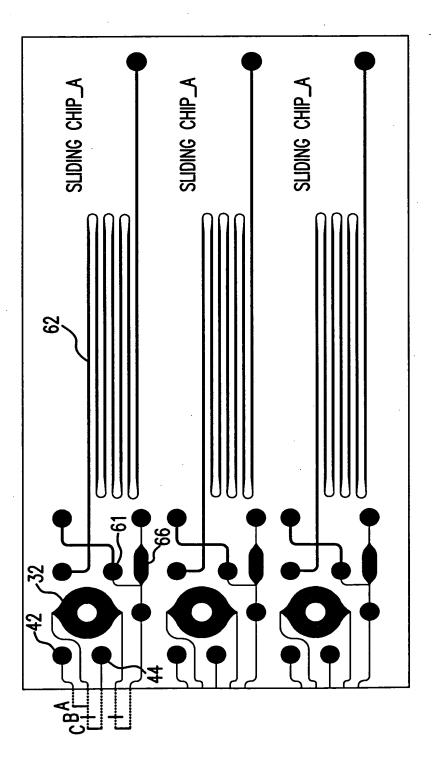


FIG.7A

FABRICATION VERY SMALL, HIGH ASPECT RATIO HOLES IN GLASS

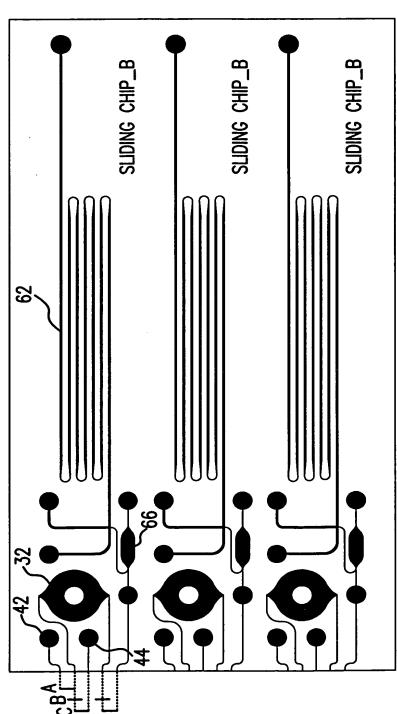


FIG.7B

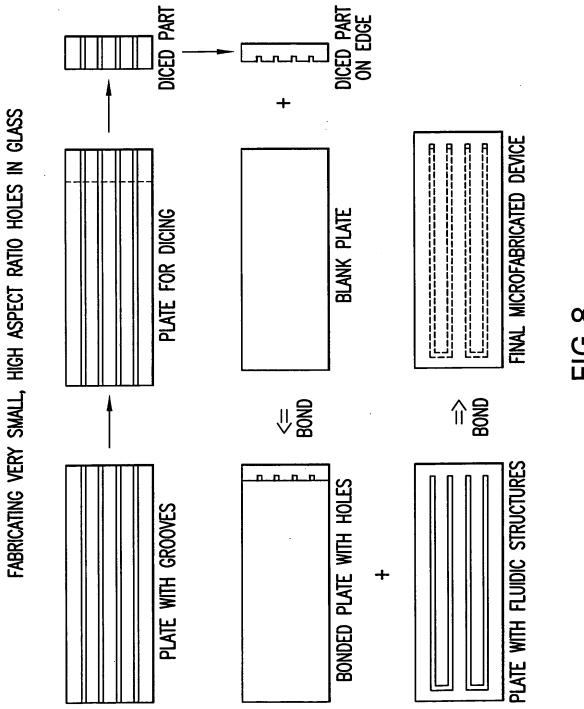


FIG.8